Beam Power Tube

NOVAR TYPE

SPECIAL PLATE STRUCTUREª

 $For \ Color \ TV \ Horizontal-Deflection-Amplifier \ Applications$

107 6016	or IV mortzo	ntal-De	flecti	on-An	ıplifi	er Ap	plication	ıs
			CTRICA					
Heater Cha	aracteristic	s and Ra	atings					
Voltage	(AC or DC)					. 6	$.3 \pm 0.6$	1
Maximum	at $6.3 \ V$. heater-cath	odo vol:		• •	• • •	•	2.500	1
Heater	negative wi	th resna	cage	catho	do.			
Peak	(tii respe		catho	ue.		200	
Heater	positive wi	th respe	ect to	cath	ode:	•	200	١
reak							200	1
	component .						100	١
Without e	erelectrode external shie	Capacit	ances	(App	rox.)			
Grid No.	1 to plate.	- I u					0.56	
input: (al to (K. G3	. G2. H)				22	p p
Output:	P to (K, G3	, G2, H)			:	11	P
			HANICA					_
Operation	Don:4:	-						
Type of Ca	Position .		• • •	• •	٠٠,			Ān
Maximum Ov	ithode verall Lengti	h				ated	Unipotent	ia
Seated Len	gth			• •	· · ·	3.500	to 3.750	, 1; , ;
)∣ameter .						I II38	+o 562	
rimensiona	u vutiine (ji	EDEC No.	12-110	51.	Se	P Con	eral Sant	
ouib								
Base	La	 argo-But	+ an N	• •	.Smal	I (JEI	DEC No.CI	-!)
		ar go-but	LOII NO	vai	3~r ())	/.IFDE	Exnaust EC No.E9-	11
Basing Des	ignation for	BOTTOM	VIEW			, , ,	O NO.LJ-	90i
	rid No.2							- 7 -
Pin 2-G	rid No.1					Н _	c.	
Pin 3 - C	athode				H 4	3 50	္ကို	
Pin 4 - H	eater			K.	7	\times	N - 60	
Pin 5 - H Pin 6 - G	eater -:-! N - 1			`(;	3X.	===,`	\XO°2	
Pin 7 - G	rid No.1			_	拟.	<u> </u> ŧ	71	
Pin 8 - G	rid No.2			G _I	7 X	<u> </u>	8 63	
Pin 9 - Do	o Not Use			·	<i>**</i>			
Cap - P	late				G2	,	(1) O	
		CHARAC	TEDIO		_			
Plate Vol+	age	UNAKAU						
eak Posit	age. ive-Pulse	-	55	175	-	60	175	٧
Plate Vol	tage ^b	5000	_	_	5000	_		
arid-No.3	Voltage	+30	+30	+30	+30	+30	+30	۷
irid-No.2	Voltage ,	125	125	125	145		145	v
irid-No 1	Voltage		^	0.5			. , .	,

Grid-No. | Voltage. . .

Transconductance . . .

Plate Resistance (Approx.)

0

-25

5800

9600

0

-35

7000

7500

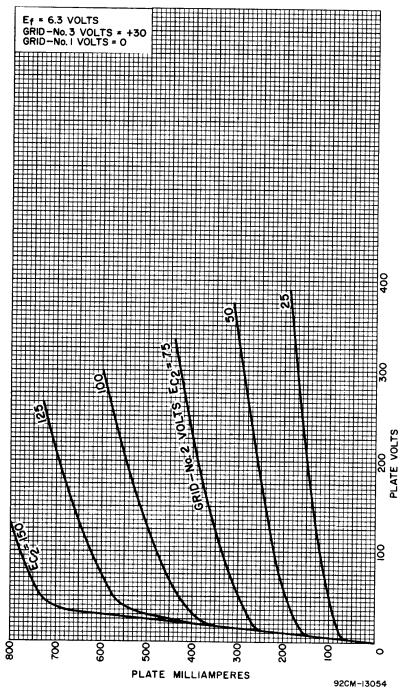
 μ mhos

٧

Ω

Plate Current Grid-No. 2 Current Grid-No. I Voltage	<u>-</u>	580° 40°	130 2.8	-	710° 55°	95 2.4	mA mA	、					
(Approx.) for plate mA = I Triode Amplification Factor (Triode connection: grid No.2 connected to plate at	- I 20	-	•	-125	-	-60	V						
socket)	-	-	3 d		-	2.8 ^e							
HORIZONTAL-DEFLECTION AMPLIFIER													
Maximum Ratings, Design-Maximum Values For operation in a 525-line, 30-frame system													
DC Plate Supply Voltage Peak Positive-Pulse Pla Peak Negative-Pulse Pla DC Grid-No.3 Voltage ⁹ . DC Grid-No.2 (Screen-Gr	te Vol te Vol	 tage ^f tage. Itage				. 990 . 7500 . 1100 . 75	V V V V	<u> </u>					
Peak Negative-Pulse Gri				iria)		. 330	٧						
Cathode Current Peak						. 1200 . 350 . 5 . 30 . 250	mA mA W W OC						
MAXIMUM CIRCUIT VALUES													
Grid-No.1-Circuit Resis For grid-resistor bias For plate-pulsed opera (Horizontal-deflection	opera		nly)			. 0.47 . 10	Μ Ω M Ω						
a Designed to minimize secon "knee" discontinuites in b Under conditions shown in C This value can be measure such that the maximum rat d Plate volts = grid-No.2 v	zero-bi footno d hy a ings of	as regi te ^e . method the ti	on. involv ibe wil	ing a l not	recurr be exc	ent wave eeded.	form	~					
socket; grid-No.1 volts = Plate volts = grid-No.2 v socket; grid-No.1 volts = This rating is applicable not exceed 15 per cent of 30-frame system, 15 per microseconds.	- 25. rolts = - 35.	145; gi	id No.	3 con	nected	to cathod	e at	_					
In horizontal-deflection be applied to grid No.3 may occur in both whf ar power output. A typical h An adequate bias resistor in the absence of excitat	-amplifi to redu nd uhf t value f corothe	er ser ce into elevis or this r means	vice, erferer ion re s volta s is re	a posince fr ceive ge is	tive vom "sn rs, and 30 vol	oltage shivets", we to incr ts. tect the	ould hich ease tube						

Average Characteristics



Average Characteristics

